ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 18

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO.	2. DELIVERY ORDER/ CALL NO.	3. DATE OF ORDER/CALL (YYYYMMMDD)	4. REQ./ PURCH. REQUEST NO.	5. PRIORITY
N65540-15-D-0005	N6449818FBB30	2018 Apr 26	1300701854	

6. ISSUED BY CODE N64498
NAVAL SURFACE WARFARE CENTER PHILA
(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)
(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)
5001 SOUTH BROAD STREET
PHILADELPHIA PA 19112

7. ADMINISTERED BY *(if other than 6)* CODE S3915A
DCMA PHILADELPHIA
700 ROBBINS AVENUE, BLDG. 4-A, P.O. BOX 11427
PHILADELPHIA PA 19111-0427

8. DELIVERY FOB
[ ] DESTINATION
[X] OTHER
(See Schedule if other)

9. CONTRACTOR CODE 07MU1 FACILITY
NAME AND ADDRESS
GENERAL DYNAMICS INFORMATION TECHNOLOGY,
(b) (6)
3211 JERMANTOWN RD
FAIRFAX VA 22030-2844

10. DELIVER TO FOB POINT BY (Date) *(YYYYMMMDD)*
SEE SCHEDULE

11. MARK IF BUSINESS IS
[ ] SMALL
[ ] SMALL DISADVANTAGED
[ ] WOMEN-OWNED

12. DISCOUNT TERMS

13. MAIL INVOICES TO THE ADDRESS IN BLOCK
See Item 15

14. SHIP TO CODE N64498
NAVAL SURFACE WARFARE CENTER PHILA
(b) (6)(b) (6)(b) (6)
NSWC PHILADELPHIA DIVISION
1601 LANGLEY AVENUE
BLDG 542
PHILADELPHIA PA 19112

15. PAYMENT WILL BE MADE BY CODE HQ0338
DFAS COLUMBUS CENTER,SOUTH ENTITLEMENT O
P.O. BOX 182264
COLUMBUS OH 43218-2264

MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.

16. TYPE OF ORDER			
	DELIVERY/ CALL	X	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE		Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED (YYYYMMMDD)

[ ] If this box is marked, supplier must sign Acceptance and return the following number of copies:

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE
See Schedule

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES	20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
	SEE SCHEDULE				

* *If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.*

24. UNITED STATES OF AMERICA
(b) (6)(b) (6)(b) (6)(b) (6)
(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)
(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)
(b) (6)
CONTRACTING / ORDERING OFFICER

25. TOTAL $2,855,399.78
26. DIFFERENCES

27a. QUANTITY IN COLUMN 20 HAS BEEN
[ ] INSPECTED [ ] RECEIVED [ ] ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
	[ ] PARTIAL [ ] FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
f. TELEPHONE NUMBER / g. E-MAIL ADDRESS	31. PAYMENT [ ] COMPLETE [ ] PARTIAL [ ] FINAL		34. CHECK NUMBER
36. I certify this account is correct and proper for payment.			35. BILL OF LADING NO.
a. DATE (YYYYMMMDD) / b. SIGNATURE AND TITLE OF CERTIFYING OFFICER			

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.

Section B - Supplies or Services and Prices

NOTE
ADDING OF ANY SUBCONTRACTORS, APPROVED OR UNAPPROVED, AFTER AWARD, MUST BE APPROVED BY THE CONTRACTING OFFICER REGARDLESS OF THE DOLLAR VALUE. THIS APPLIES TO BOTH LABOR OR ODC COSTS.

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AA		1	Lot		[redacted]

Support Costs
COST
includes material, travel, incidential subcontracting and other direct costs in support of Item 0003 in accordance with the Statement of Work.
NOTE: The requirements in DFARS 252.211-7003, Item Identification and Valuation, are applicable for this line item. The contractor shall provide DoD unique identification or a DoD recognized unique identification equivalent.
FOB: Destination
PURCHASE REQUEST NUMBER: 1300701854

ESTIMATED COST [redacted]

ACRN AA
CIN: 130070185400003

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AB		1	Lot		[redacted]

Funding SLIN for CLIN 0003
CPFF
FOB: Destination
PURCHASE REQUEST NUMBER: 1300701854

ESTIMATED COST
FIXED FEE

TOTAL EST COST + FEE [redacted]

ACRN AB
CIN: 130070185400002

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004					[redacted]

Support Costs
COST
includes material, travel, incidential subcontracting and other direct costs in support of Item 0003 in accordance with the Statement of Work. This cost is a Not-To-Exceed amount.

ESTIMATED COST [redacted]

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003					[redacted]

Engineering and Technical Services
CPFF
in support of the Navy Modernization Programs of Hull Material and Electronics (HM&E) systems. Technical services are further described in the Statement of Work.

ESTIMATED COST
FIXED FEE [redacted]
TOTAL EST COST + FEE

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AA		1	Lot		[redacted]

Funding SLIN for CLIN 0003
CPFF
FOB: Destination
PURCHASE REQUEST NUMBER: 1300701854

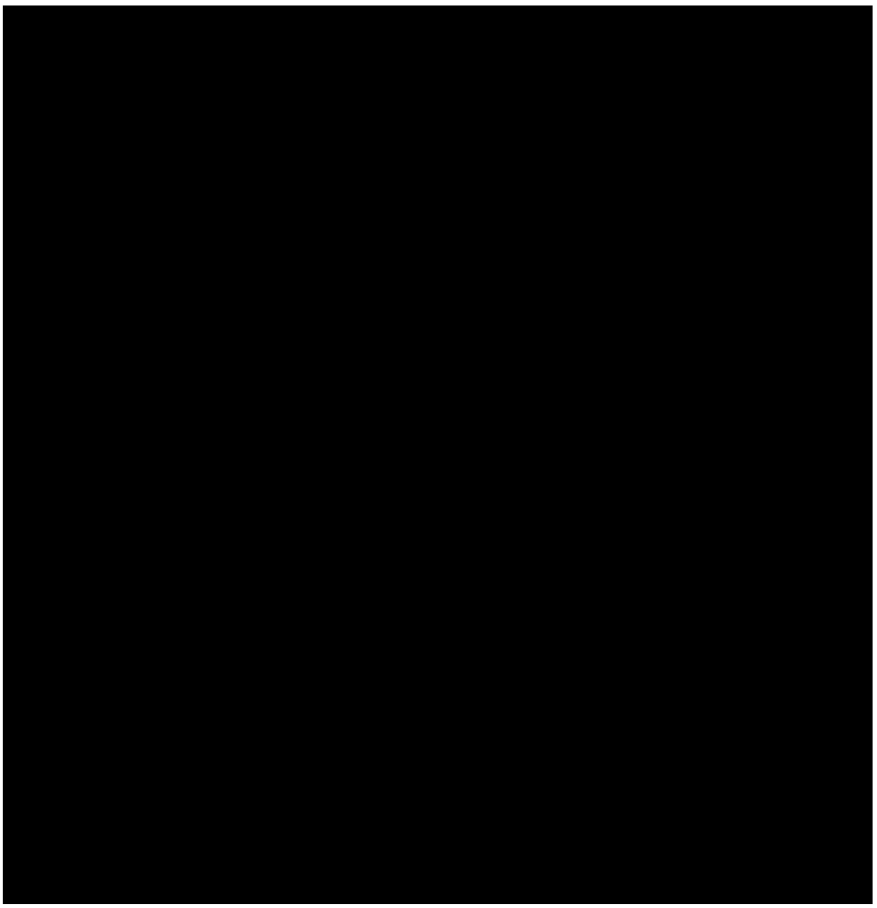
ESTIMATED COST
FIXED FEE [redacted]
TOTAL EST COST + FEE

ACRN AA
CIN: 130070185400001

Section C - Descriptions and Specifications

ESTIMATED LEVEL OF EFFORT

[redacted]



STATEMENT OF WORK

BACKGROUND:

The Naval Surface Warfare Center Philadelphia Division (NSWCPD), in support of the US Navy's Integrated Ship Control Program requires the connection, termination, and testing of all electrical and coax cabling during the installation of Integrated Ship Controls (ISC) Upgrade Phase 3 onboard USS COWPENS (CG-63).

1. SCOPE:

Provide labor, material, installation, and testing support services to accomplish the electrical and coax connections for the following Ship Alterations (S/A):

S/A 73856.02K – ISC Phase 2 (Cable/Fiber Verification)
S/A 73856.03K – ISC Phase 3 (Connectorization and Testing)

1.1. This work will be performed in numerous compartments throughout the ship.

1.2. Much of the Equipment, Spaces or Documentation is classified and subject to the applicable provisions of the National Industrial Security Program Operating Manual, DOD 5220.22-M (0584-LP-179-6400).

1.2.1. Confidential Spaces:
1.2.1.1. Combat Information Center (02-138-0-C) (C)
1.2.1.2. Central Control Station (2-272-0-C) (C)

1.2.1.3. Combat Systems Maintenance Control and Repair 8 (1-159-0-Q) (C)
1.2.1.4. Communication Central (03-138-0-C) (C)
1.2.1.5. IC and Gyro Room No. 1 (2-127-0-C) (C)
1.2.1.6. IC and Gyro Room No. 2 (3-382-0-C) (C)
1.2.1.7. Sonar Room No. 1 (1-28-0-Q) (C)
1.2.1.8. Aegis Radar Room No. 1 (04-140-1-C) (C)

2. REFERENCES:

2.1. NAVSEA FY18 Standard Items
2.2. 331-8417413, REV C, SHIPALT CG 47-73856.02K ISC UPGRADE LIGHTING DISTR SYS MOD
2.3. 413-8417419, REV B, SHIPALT CG 47-73856.02K ISC UPGRADE FIBER OPTIC SWAN SYS BLK & ELEM WRG DIAG
2.4. 413-8646761, REV A, SHIPALT CG 47-73856.02K ISC UGRADE FIBER OPTIC SWAN SYS WIRE CONN LIST
2.5. 432-8417420, REV B, SHIPALT CG 47-73856.02K ISC UPGRADE MISC IC SYS MOD BLK & ELEM WRG DIAG
2.6. 436-8417421, SHIPALT CG 47-73856.02K ISC UPGRADE DAMAGE CONTROL SYS BLK & ELEM WRG DIAG
2.7. 437-8417422, SHIPALT CG 47-73856.02K ISC UPGRADE MACHINERY CONT SYS BLK & ELEM WRG DIAG
2.8. 437-8646766, SHIPALT CG 47-73856.02K ISC UPGRADE MACHINERY CONT WIRE CONN LIST
2.9. 438-8417424, SHIPALT CG 47-73856.02K ISC UPGRADE INTEGRATED BRIDGE SYS BLK WRG DIAG
2.10. 438-8646775, SHIPALT CG 47-73856.02K ISC UPGRADE INTEGRATED BRIDGE SYS WIRE CONN LIST
2.11. LAR 73856.02/CG63/P276
2.12. LAR 73856.02/CG63/P289
2.13. LAR 73856.02/CG63/P291
2.14. LAR 73856.02/CG63/P292
2.15. LAR 73856.02/CG63/T237
2.16. LAR 73856.02/CG63/T283
2.17. LAR 73856.02/CG63/0013
2.18. LAR 73856.02/CG63/0091
2.19. LAR 73856.02/CG63/4964
2.20. LAR 73856.02/CG63/4970
2.21. LAR 73856.02/CG63/4974
2.22. LAR 73856.02/CG63/4978
2.23. LAR 73856.02/CG63/4983
2.24. LAR 73856.02/CG63/4986
2.25. LAR 73856.02/CG63/4990
2.26. LAR 73856.02/CG63/4992
2.27. LAR 73856.02/CG63/5013
2.28. LAR 73856.02/CG63/5023

2.29. 413-8646760, REV B, SHIPALT CG 47-73856.03K ISC UPGRADE FIBER OPTIC SWAN SYS INSTALL W/PRE-FAB
2.30. 413-8646762, SHIPALT CG 47-73856.03K ISC UGRADE FIBER OPTIC SWAN SYS WIRE CONN LIST
2.31. 436-8646764, SHIPALT CG 47-73856.03K ISC UPGRADE DAMAGE CONTROL SYSTEM INSTALL
2.32. 437-8646765, SHIPALT CG 47-73856.03K ISC UPGRADE MACHINERY CONT SYS BLK & ELEM WRG DIAG
2.33. 438-8646777, REV A, SHIPALT CG 47-73856.03K ISC UPGRADE INTEGRATED BRIDGE SYS W/ PRE-FAB
2.34. 438-8735641, REV A, SHIPALT CG 47-73856.03K ISC UPGRADE INTEGRATED BRIDGE SYS WIRE CONNECTION LIST
2.35. 331-8647498, SHIPALT CG 47-73856.03K ISC UPGRADE LIGHTING DISTR SYS MOD INSTALL
2.36. LAR 73856.03/CG63/P326
2.37. 441-8417425, REV B, ISC UPGRADE HYDRA BLK & ELEM WIRING
2.38. MIL-STD-2003, Department of Defense Standard Practice Electric Plant Installation Standard Methods (EPISM) for Surface Ships and Submarines
2.39. MIL-STD-1310, Department of Defense Standard Practice Shipboard Bonding, Grounding and Other Techniques for Electromagnetic Compatibility, Electromagnetic Pulse (EMP) Mitigation and Safety
2.40. MIL-STD-454, Standard General Requirements for Electronic Equipment
2.41. MIL-DTL-22520G, General Specification for Crimping Tools and Wire Termination
2.42. MIL-STD 2042B (SH) Fiber Optic Topology Installation Standard
2.43. CG Mod Critical Path Equipment, Cable System to ISEA and Test Requirement Turnover Schedule for CG-63 USS COWPENS
2.44. NAVSEA 9090-310G SHIPALT by Alteration Installation Team NSWCPD Installation
2.45. 4720.2F Process and Policy for Shipboard Industrial Work
2.46. 4720–CG63-EDA18-A07-REV06 (GFM)
2.47. BOM-CG63-EDA18-A07-REV06 (BOM)
2.48. AIT Test Procedure List – CG-63
2.49. S0400-AD-URM-010/TUM, Tag-Out User's Manual
2.50. NAVSEA Standard Item 009-25, Structural Boundary Test

3. REQUIREMENTS:

The AIT shall take direction only from the AIT Manager and the OSIC for this installation. If another party [In Service Engineering Agent (ISEA), Ship Modernization Representative (SMR), Shipyard, etc.] requests services outside the scope of work, please refer them to the AIT Manager or OSIC. Final approval of any changes outside the scope of this order must be approved by the Contracting Officer.

The AIT shall review all drawings and LARs/RLARs related to equipment and cable installed during S/A 73856 Phase 2 cable (References 2.2 through 2.28). The AIT shall then

ring out or validate all Phase 2 installations prior to beginning terminations for Phase 3 wires/cables.

The AIT shall accomplish the electrical/copper/coax cable/intra cable connections and terminations for S/A 73856 Phase 3 of the provided Ship Installation Drawings and LARs/RLARs (References 2.29 through 2.36) utilizing Reference 2.1 and References 2.38 through 2.50 for guidance.

3.1. Prior to start of work the AIT shall review all referenced drawings in order to gain a complete understanding of quantity and type of Installing Activity Furnished (IAF) and consumable materials required to complete the installation and testing.

3.2. The AIT shall install all electrical components in accordance with references 2.1 and 2.38. All fiber optic cables installed shall be light tested per MIL-STD-2042B, reference 2.42.

3.2.1. The AIT shall repair or replace 100 connectors or 1000 feet of cable as required.

3.2.2. Submit one copy in electronic media form of all required reports relating to installation of cabling and termination of cabling in accordance with all listed references.

3.3. The AIT shall work to de-conflict scheduling issues with the Shipyard, I Level personnel, other AITs on site, and subcontractors.

3.4. The AIT shall manufacture and install all wire markers prior to start of work in accordance with the NAVSEA FY 18 Standard Items. Wire markers shall be typed, not hand written.

3.5. The AIT shall relocate all previously installed cable tags by the Lead Maintenance Activity (LMA) to the proper position after cable termination.

3.6. Cable Tracking Database Requirements **(CDRL A016)**:

3.6.1. The AIT shall provide on-site support to update the Cable Tracking Database.

3.6.2. The AIT shall update the database for all verified cable installed by the LMA in Phase 2 to ensure all cable is accounted for in the Cable Tracking Database for S/A 73856. The 009-22 reports filled out by the LMA shall be turned over to the AIT for reference.

3.6.3. The AIT shall submit written/typed report to the SMR and OSIC, any time changes are required to the cable tracking database within 24 hours from the time the change is identified.

3.6.4. The AIT shall update the Cable Tracking Database daily to reflect the status of the continuity tests of each electrical/coax conductor in accordance with reference 2.1.

3.7. The AIT shall manage the testing and requirements for closing the following Multiple Cable Transits (MCTs) using reference 2.50:

3.7.1. 3-296-2 (STA 129) CPU#1
3.7.2. 3-287-2 (STA 121) CPU#2
3.7.3. 3-285-2 (STA 122) SOSU #13
3.7.4. 3-279-2 (STA 123) SOSU #12
3.7.5. 3-278-2 (STA 124) SOSU #11
3.7.6. 3-275-4 (STA 125) SOSU #9
3.7.7. 3-275-2 (STA 126) SOSU #10
3.7.8. 3-287-2 (STA 201) DAU # 17B
3.7.9. 3-296-4(STA 120) DAU #17A

3.8. The AIT shall complete all AIT test procedures and support the Government ISEAs with all ISEA test procedures through HM&E Sea Trials.

3.8.1. The AIT shall accomplish all testing requirements of the AIT Test Procedure List, reference 2.48 as well as all applicable Test Note requirements of the SIDs, references 2.2 through 2.35. The AIT Test Procedure List details which tests are AIT led and which tests are ISEA led with AIT support.

3.8.2. The AIT shall assist with the coordination between the ship and the test team to ensure all scheduled testing is properly briefed, the required shipboard equipment and support systems are available to support each test, and the proper personnel (both Government and AIT) are scheduled to be on-site to perform each test.

3.8.3. The AIT shall provide technical and logistical support to the ISEA / OSIC for the troubleshooting and repairs of all discrepancies found during testing on both newly installed and legacy systems.

3.8.3.1. The Government shall provide 250 total sensors of various types for the repair of legacy DCS systems as GFE. The POC for the provided sensors shall be a representative of NSWCPD.

3.8.3.2. The AIT shall provide troubleshooting and repair efforts for the fiber and HYDRA system installed by the LMA during phase 2. The AIT shall power up the system and correct any issues with HYDRA using reference 2.37.

3.8.3.3. The AIT shall plan to provide 250 man days in labor and $100,000 in material for troubleshooting and repair efforts.

3.8.4. AIT shall provide a locked Job Box for ISEA test team use throughout the availability located in a lay down area by the ship. If the ship relocates, the AIT shall arrange for its movement with the ship. The box shall be Grainger Part # 1MCG1 or approved equivalent. The AIT shall provide keys and/or combination to SMR once Job Box is in place.

3.8.5. The AIT shall provide a Test Lead and an ISC Power Coordinator to perform the following requirements. The personnel may be AIT Contractor or approved AIT Subcontractor:

3.8.5.1. The Test Lead shall support testing of newly installed propulsion plant equipment and serve as the subject matter expert for all interfaces between new and legacy equipment. This Test Lead shall be responsible for coordination of the testing with other AIT test technicians. The Test Lead shall generate an electronic daily test status send it to the ISEA team as well as the on-site Test Coordinator and SMR.

3.8.5.2. The AIT shall provide an ISC Power Coordinator to assist with the coordination between ships force, LMA, AITs, SMR, and the test team to ensure all ISC equipment installed has power available for testing based on reference 2.43. This person will be responsible for ensuring all parties are knowledgeable of equipment tag-out status, working with the WAF Coordinator, working with the Test Coordinator, and briefing all parties concerned on the impact to the test schedule, should power not be available for testing.

3.8.5.3. All test leads shall work with the NSWCPD ISEA, OSIC, Test Coordinator and SMR while planning test efforts and must assist in the resolution of any discrepancies as they may occur.

3.8.5.4. The AIT shall manage INCO spares for the duration of testing excluding sea trials. This AIT shall arrange adequate and secure lay down area onsite for INCO spares. The AIT is responsible for documenting equipment condition, deficiencies, and updated inventory status. Defective units shall be shipped using DD 1149.

3.8.6. The AIT shall provide adequate communication devices with charging capabilities and additional batteries for the completion of testing requirements. The AIT shall be responsible for replacement of any lost or damaged communication devices. Communication devices shall be available to the NSWCPD Test Coordinator at the beginning of the installation through completion of testing.

3.8.7. Submit one copy in electronic media form of all required reports relating to completion of test procedures and Test Note requirements.

3.8.8. The AIT shall provide NSWCPD and the SPIR writer with a Conditions Found Report (CFR) for any discrepancies found during the installation/testing.

3.8.9. A Lessons Learned conference between NSWCPD and the AIT will be held after the completion of the installation and testing.

4. DELIVERABLES:

4.1. As required by 009-60 of 2.1, the AIT shall provide a detailed installation schedule (MS Project POA&M) that supports the availability milestones and the equipment turnover dates detailed in 2.43, two weeks after award of contract. The AIT will update this POA&M on a weekly basis and more frequently as schedules change, workflow problems occur, or other conditions warrant. The details of this POA&M shall be coordinated with Ship's Force, LMA, Regional Maintenance Centers (RMCs), NSWCPD representatives, and other activities as necessary to ensure that proper support is available and interference or delays are minimized. The updated POA&M shall be submitted to NSWCPD personnel no later than noon the day prior to the RMC weekly progress meeting. **(CDRL A003).**

4.2. Using NAVSEA FY 18 Standard Item 009-004 and References 2.44 & 2.45, the AIT shall develop a QA Workbook to be maintained and updated on-site. This Workbook shall be used to keep an in-process record of Quality Control Inspections and be provided to NSWCPD for review, at least sixty (60) working days prior to the start of availability. A completed copy of the QA Workbook shall be provided to NSWCPD Personnel within two weeks after completion of availability. **(CDRL A004)** The QA Workbook shall be formatted as follows:

4.2.1. Sect. 1 Alteration Description
4.2.2. Sect. 2 Personnel Qualifications and Certifications
4.2.3. Sect. 3 Procedures Objective Quality Evidence (OQE)
4.2.4. Sect. 4 Installation POA&M
4.2.5. Sect. 5 Ship Installation Drawing (SID) List
4.2.6. Sect. 6 Test and Inspection (T&I) Plan – This plan should identify areas requiring In-Process inspections by annotating steps as Inspection (I), Verification (V), or Government (G) Points. This plan shall also incorporate all testing requirements.
4.2.7. Sect. 7 Test & Inspection Records

4.3. A Bi-Weekly Financial Status Report shall be assembled by the AIT and submitted to the NSWCPD AIT Manager no later than noon the day prior to the weekly progress meeting (**CDRL A002**).

4.4. The AIT shall attend all daily/weekly production meetings and provide weekly physical progress report detailing the installation status to the OSIC and SMR no later than noon the day prior to the weekly progress meeting during the installation and cable testing phases **(CDRL A007)**.

4.5. Prior to start of the availability, and utilizing installation drawings (References 2.2

through 2.35), GFM list (Reference 2.46) and CG Mod Critical Path Equipment/Cable & Test Requirement Turnover Schedule (Reference 2.43), the AIT shall develop a material tracking list detailing material required (GFM & IAF) to complete the connectorization/test. The AIT shall maintain and update a database detailing status of material. This status shall include material nomenclature, GFM, HSC, IAF status, part number, quantity, location, tracking number, issued to be installed date and person issued to. This database shall be updated weekly or as material status changes and submitted to NSWCPD Personnel. Upon completion of the installation, an electronic copy of this database shall be submitted to NSWCPD. The AIT shall maintain identity of all items of material issued to ships using a DD 1149 Form. AIT shall provide copies of the DD 1149 Forms to NSWCPD Personnel. **(CDRL A011)**

4.6. The AIT shall initiate a Microsoft Access/Excel Cable Tracking Database utilizing References 2.2 through 2.35. This database shall be used to support provisioning of all hook-up sheets, wire markers and tracking of cable/coax/copper connections and testing progress. This database shall be capable of compiling connection and test information into a connection/test report. This report shall include percentage of cables verified, continuity tested, insulation resistance tested, cut into equipment, connection completed, electrician completing hook-up and electrician completing continuity test.

4.6.1. The applicable section of the connection/testing report of 4.6 shall be posted on each piece of equipment. During hook-up and testing, the electrician shall update this report to reflect progress of work accomplished on a daily basis.

4.6.2. This database shall be delivered to the SMR and OSIC seven working days prior to start of installation, weekly during core alteration installation and test meeting and upon end of sea trials. The completed version of this database shall be provided to the SMR, OSIC, and AIT Manager. **(CDRL A016)**

4.7. The AIT shall turn over 3 sets of red-lined drawings to the AIT Manager or OSIC for the S/A 73856 Phase 3 on USS COWPENS (CG-63) at the end of the availability within 14 days of completion. **(CDRL A008)**

5. NOTES

5.1. Due to numerous AITs onboard the ship, it is imperative that the AIT practices proper housekeeping to minimize possible incidents.

6. SCHEDULE

6.1. Installation schedule will be determined by the schedule of the USS COWPENS (CG-63). The installation is tentatively scheduled for 4/2/2018 through 9/30/2019.

6.2. The AIT must meet the CG Mod Critical Path Equipment, Cable System to ISEA, and Test Requirement Turnover Schedule, for CG-63 USS COWPENS (Reference 2.43).

6.3. The work hours shall be Monday through Saturday from 0600 to 1630.

7. GOVERNMENT FURNISHED INFORMATION/MATERIAL/SERVICES:

7.1. NSWCPD will provide all available USS COWPENS (CG-63) drawings and associated documents.

7.2. NSWCPD will provide Shipboard Integrated test plan which will be used to test functionality of all relocated/systems/equipment

7.3. NSWCPD will provide all GFM listed in Reference 2.46.

7.3.1. The AIT shall take receipt, uncrate/re-crate, and conduct receiving inspection with Government Representative or SMR.

7.4. NSWCPD will provide 250 various DC sensors for the repair of legacy DC systems.

7.5. The following services are to be provided by the Government via Shipyard Support Requirements Form:

7.5.1. Temporary services to include, ventilation, compressed air, 440VAC & 120VAC power, air conditioning, and lighting.

7.5.2. Crane and rigging services.

7.5.3. Laydown area for placement of Connex and/or tool boxes.

7.5.4. Office Space and Parking

8. CONTRACTOR FURNISHED MATERIAL

8.1. The AIT shall provide all miscellaneous and incidental installation material required for cable entry and connection of CG ISC Equipment.

8.2. The AIT shall procure reference 2.37, Line Item 42, Quantity 21 EA. (ANTENNA, DIPOLE).

9. TRAVEL (REQUEST EACH LOCATION BE ESTIMATED SEPARATELY)

9.1. Norfolk, VA – San Diego, CA and return.

People	24
Days	120
Trips	1

10. CLASSIFIED MATERIAL

10.1. None

11. PERIOD OF PERFORMANCE:

11.1. 4/2/2018 to 9/30/2019

12. PLACE OF PERFORMANCE

12.1. For the purpose of this estimate, use San Diego, CA as the place of performance. If the location differs from San Diego, a contract modification will be submitted for travel costs.

13. OVERTIME

13.1. Overtime is approved for the AIT in order to complete the installation and testing within the periods of ship availability. Coordination with the AIT manager is required.

14. AIT PERSONNEL IDENTIFICATION

14.1. In the performance of this contract, AIT employees shall identify themselves as AIT personnel by introducing themselves or being introduced as AIT personnel and by displaying distinguishing badges or other visible identification for meetings with Government personnel. AIT personnel shall appropriately identify themselves as AIT employees in telephone conversations and formal and informal written correspondence.

15. CONTRACTING OFFICER'S REPRESENTATIVE (COR):

15.1. The COR for this contract is (b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6)

16. SUBJECT MATTER EXPERT (SME):

16.1. The SME for this installation is (b) (6)(b) (6)(b) (6)(b) (6)(b) (6)(b) (6) (b) (6)(b) (6)

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0003	N/A	N/A	N/A	N/A
0003AA	N/A	N/A	N/A	Government
0003AB	N/A	N/A	N/A	Government
0004	N/A	N/A	N/A	N/A
0004AA	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC / CAGE
0003	N/A	N/A	N/A	N/A
0003AA	POP 11-APR-2018 TO 30-SEP-2019	N/A	NAVAL SURFACE WARFARE CENTER PHILA (b) (6)(b) (6)(b) (6) NSWC PHILADELPHIA DIVISION 1601 LANGLEY AVENUE BLDG 542 PHILADELPHIA PA 19112 (b) (6)(b) (6) FOB: Destination	N64498
0003AB	POP 11-APR-2018 TO 30-SEP-2019	N/A	(SAME AS PREVIOUS LOCATION) FOB: Destination	N64498
0004	N/A	N/A	N/A	N/A
0004AA	POP 11-APR-2018 TO 30-SEP-2019	N/A	NAVAL SURFACE WARFARE CENTER PHILA (b) (6)(b) (6)(b) (6) NSWC PHILADELPHIA DIVISION 1601 LANGLEY AVENUE BLDG 542 PHILADELPHIA PA 19112 (b) (6)(b) (6) FOB: Destination	N64498

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 1761810 81CC 251 VU021 0 050120 2D 000000
COST CODE: A00004436074
AMOUNT [redacted]

AB: 1771810 81CC 251 VU021 0 050120 2D 000000
COST CODE: A10004436074
AMOUNT: [redacted]

ACRN	CLIN/SLIN	CIN	AMOUNT
AA	0003AA	130070185400001	[redacted]
	0004AA	130070185400003	
AB	0003AB	130070185400002	

FUNDING INFO
This fully funded order has hereby been awarded and funded in the amount o[redacted]As a result, the total amount of funding obligated and available for payment under this order is[redacted]The Government is not obligated to reimburse the contractor for any costs incurred in excess of[redacted]

Section I - Contract Clauses

CLAUSES INCORPORATED BY REFERENCE

52.232-22	Limitation Of Funds	APR 1984
252.204-0005	Line Item Specific: by Cancellation Date	SEP 2009